

WE CLAIM AS OUR INVENTION:

1. In a magnetic resonance apparatus having a scanner with an interior examination space and a gradient coil unit that is movable into and out of said examination space, and a patient bed that is movable into and out of said examination space, the improvement of a device for inserting said gradient coil unit into said examination space comprising:
a movable carrier unit; and
a boom having a first end attached to said carrier unit and a second-opposite end adapted to receive a gradient coil unit, said boom being extendable in a horizontal direction to insert said gradient coil unit into said examination space, said boom being mechanically independent of said patient bed.
2. A device as claimed in claim 1 wherein said boom has a releasable connection adapted to releasably connect said second end of said boom to said gradient coil unit.
3. A device as claimed in claim 1 wherein said carrier unit varies a position of said boom in a vertical direction.
4. A device as claimed in claim 1 wherein said boom comprises electrical connections adapted to supply power to said gradient coil unit.
5. A device as claimed in claim 1 wherein said boom comprises a glide mechanism adapted to cooperate with said examination space for guiding said boom in said examination space.
6. A device as claimed in claim 1 wherein said boom comprises a glide mechanism adapted to cooperate with said examination space for fixing said boom in said examination space.

7. A device as claimed in claim 1 wherein said boom comprises a glide mechanism adapted to cooperate with said examination space for guiding and fixing said boom in said examination space.

8. A device as claimed in claim 1 further comprising a locking arrangement on said boom adapted to interact with said examination space to lock said boom in a specified inserted position relative to said examination space.

9. A device as claimed in claim 1 further comprising a locking arrangement adapted for connection to said gradient coil unit for interacting with said examination space to lock said gradient coil unit in a specified inserted position relative to said examination space.

10. A device as claimed in claim 1 wherein said boom is a telescoping boom.

11. A device as claimed in claim 1 comprising a docking device adapted to dock said carrier unit to said scanner to position said carrier unit and said boom relative to said examination space for insertion of said gradient coil unit into said examination space.

12. A device as claimed in claim 11 wherein said docking device allows pivoting of said carrier unit relative to said scanner.

13. A device as claimed in claim 12 wherein said boom comprises a glide mechanism for interacting with said examination space to guide said boom relative to said examination space, and wherein said docking device positions said glide mechanism relative to said examination space.